

## **SECTION 02735 - SEWERS AND DRAINS**

### **PART 1 - GENERAL**

#### **1.01 DESCRIPTION OF WORK:**

- A. Drain Piping: Provide drain piping as shown on the Drawings. This section includes:
- Stormwater Conduits
  - Underdrains
  - Sewer Pipe
- B. Earthwork: Section 02200 (includes excavation, bedding, backfill).

#### **1.02 SUBMITTALS:**

- A. Manufacturer's product data and installation instructions for all types of pipes to be used.

### **PART 2 - PRODUCTS**

#### **2.01 PIPE AND FITTINGS:**

- A. General: Furnish fittings of same type and class of materials as pipe.
- B. Underdrain and Foundation Drain: PVC SDR 35, perforated
- C. Storm Drain: PVC SDR 35
- D. Dripstrip Underdrain: PE, perforated with SOC
- E. Sewer: PVC SDR 35 or PVC schedule 40 (under any building)
- F. Metal Detectable Underground Tape: As supplied by Northern Safety with the name of the utility (sewer, water, electrical, etc.) on the tape.

### **PART 3 - EXECUTION**

#### **3.01 INSTALLATION OF GRAVITY PIPE AND FITTINGS:**

- A. Methods: Install in accordance with Manufacturer's recommendations. Secure each length of pipe with bedding before placing next length. Plug open ends when work is suspended.

- B. Grade and Line: Lay pipe to line and grade shown on the drawings. If grade is not shown, determine elevations of start and finish points for each run of pipe. Lay pipe to a uniform grade between these points.
- C. Conditions: Lay pipe in the dry. Do not use installed pipe to remove water from work area.
- D. All Pipe: Flush and remove debris.
- E. Geotextile: Required for all underdrain pipe.
- F. Perforated Pipe: Provide 6" diameter perforated pipe where underdrain foundation drain is required.
- G. Perforated Pipe: Provide 4" diameter perforated pipe where dripstrip underdrain foundation is required.
- H. Metal Detectable Underground Tape: Provide detectable marking tape above all non-metallic pipe. Use tape with appropriate label.

\* END OF SECTION 02735 \*